

Converting Colors

$Y_{xy}(13.8983, 0.2797, 0.5259)$

Have a look what the booklet for
Yxy(13.8983, 0.2797, 0.5259)
contains.

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Color

Yxy(13.8946, 0.2800, 0.5270)

Conversions

Conversions Part 1

Format	Color
Hex	017930
RGB	1, 121, 48
RGB Percent	0%, 47%, 19%
CMY	0.9965, 0.5255, 0.8118
CMYK	0.99, 0.00, 0.60, 0.53
HSL	144°, 99%, 24%
HSV	144°, 99%, 47%
XYZ	7.3823, 13.8946, 5.0885
YIQ	76.7980, -48.0870, -48.1430

Conversions

Conversions Part 2

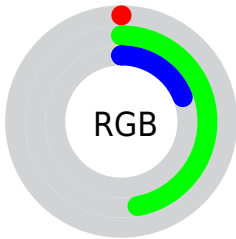
Format	Color
RYB	1, 87, 121
Decimal	96560
CIELab	44.08, -45.64, 31.55
CIELCh	44, 55.483, 145.346
Yxy	13.8946, 0.2800, 0.5270
Android (android.graphics.Color)	4278286640 (0xFF017930)
YUV	76.7980, -14.1974, -66.4748
Hunter-Lab	37.2755, -29.8805, 17.9990

Details

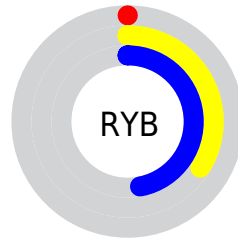
The Yxy color **13.8946, 0.2800, 0.5270** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.5780, 0.4438, 0.2225**, and the grayscale version is **7.4100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0823, 0.2931, 0.4729**, and **4.5065, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.8849, 0.2801, 0.5285**, and if you desaturate by 10%, it is **14.0408, 0.2780, 0.5068**.

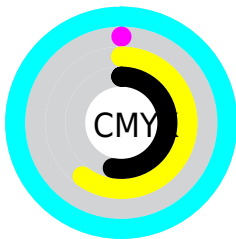
Distribution



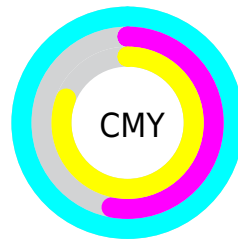
- Red (0%)
- Green (47%)
- Blue (19%)



- Red (0%)
- Yellow (34%)
- Blue (47%)



- Cyan (99%)
- Magenta (0%)
- Yellow (60%)
- Black (53%)





- Cyan (100%)
- Magenta (53%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8946, 0.2800, 0.5270 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 13.8946, 0.2800, 0.5270 by changing the saturation by 10% instead.


 13.8946, 0.2800,
0.5270


 13.8946, 0.2800,
0.5270


216.5741, 0.3052,
0.3999


 8.0474, 0.2672,
0.5733


 32.9019, 0.2928,
0.4715


 4.1253, 0.2447,
0.6461

 46.8308, 0.2963,
0.4537


 1.7439, 0.1741,
0.8259

 64.2223, 0.2989,
0.4398

 0.4518, 0.0000,
1.0000


 85.4610, 0.3008,
0.4287


 0.0000, 0.0000,
0.0000


 110.9311, 0.3023,
0.4195


 141.0170, 0.3035,


0.4119


 176.1033, 0.3044,
0.4055


 13.8946, 0.2800,
0.5270


 13.8946, 0.2800,
0.5270


 13.8849, 0.2801,
0.5285

 14.0408, 0.2780,
0.5068

 14.2396, 0.2770,
0.4852

 14.5160, 0.2778,
0.4626

 14.8782, 0.2801,
0.4399

 15.3331, 0.2838,
0.4177

■ 15.8871, 0.2886,
0.3966

■ 16.5457, 0.2942,
0.3769

■ 17.3143, 0.3003,
0.3589

■ 18.1977, 0.3067,
0.3426

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



13.8946, 0.3825, 0.5371



13.8946, 0.2800, 0.5270



13.8946, 0.1914, 0.4140

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



13.8946, 0.2800, 0.5270



13.8946, 0.1547, 0.1715



13.8946, 0.5189, 0.3210

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



13.8946, 0.2800, 0.5270



4.5780, 0.4438, 0.2225

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



13.8946, 0.4316, 0.2541



13.8946, 0.2800, 0.5270



13.8946, 0.2134, 0.1725

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



13.8946, 0.2800, 0.5270



13.8946, 0.1314, 0.2041



13.8946, 0.3116, 0.2014



13.8946, 0.5299, 0.3949

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



13.8946, 0.2800, 0.5270



13.8946, 0.1534, 0.3231



13.8946, 0.3116, 0.2014



13.8946, 0.4972, 0.2978

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



13.8952, 0.2800, 0.5270



29.4381, 0.2933, 0.3797



15.1724, 0.3561, 0.5546



6.6375, 0.2914, 0.3863



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.8952, 0.2800, 0.5270



24.8356, 0.2814, 0.5329



14.7432, 0.2346, 0.3640



4.4736, 0.3068, 0.3423



14.8763, 0.2803, 0.5290



70.8045, 0.2829, 0.5384

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



4.5780, 0.4438, 0.2225



8.1257, 0.4489, 0.2247



4.1191, 0.6176, 0.3187



4.0521, 0.3191, 0.3161



4.8774, 0.4456, 0.2228



23.0945, 0.4539, 0.2274

Previews

White Background



This preview shows how the Yxy color 13.8946, 0.2800, 0.5270 looks on a white background.

Color Contrast Check

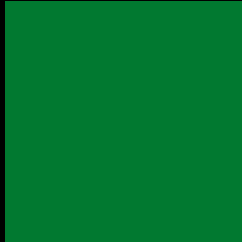
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 13.8946, 0.2800, 0.5270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.8946, 0.2800, 0.5270

Background



This preview shows how black text looks on a background with the Yxy color 13.8946, 0.2800, 0.5270.



This preview shows how white text looks on a background with the Yxy color 13.8946, 0.2800, 0.5270.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

13.8946, 0.2800, 0.5270

Protanopia

13.7881, 0.4106, 0.4497

Deuteranopia

13.7020, 0.4208, 0.4154



Tritanopia

13.8687, 0.2356, 0.3053

Trichromacy



Original Color

13.8946, 0.2800, 0.5270



Protanomaly

12.7972, 0.3393, 0.4893



Deuteranomaly

12.5127, 0.3439, 0.4641



Tritanomaly

13.6266, 0.2494, 0.3809

Monochromacy



Original Color

13.8946, 0.2800, 0.5270



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

8.8750, 0.2856, 0.4112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8946, 0.2800, 0.5270 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(1, 121, 48)` looks like.

```
.text, #text, p{  
    color:rgb(1, 121, 48)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(1, 121, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 121, 48) }
```

Border

The CSS property to change the border of an element to Yxy 13.8946, 0.2800, 0.5270 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(1, 121, 48) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(1, 121, 48) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(1, 121, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 121, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 121, 48);  
box-shadow:4px 4px 4px 4px rgb(1, 121, 48)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.8946, 0.2800, 0.5270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 121, 48) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(1, 121,  
48) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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